

6543210

<subunit 1 of 1, 377 aa, 1 stop

MEALLLGAGLLLGAYVLVYVYNLVKAPFCGGMGNLRGRTAVTVTGANSIGIKMTALELARRGAR
VVLACRSQERGEAAAFDLRQESGNNNEVIFMALDLASLASVRAFATAFLSSEPRLDILIHNA
ISSCGRTREAFNLLLRVNHIFPFLTHLLLPCLKACAPSRVVVVASAAHCRGLRDLFKRLDRP
VVGWRQELRAYADTKLANVLFARELANQLEATGVTCYAAHPGPVNSELFLRHVPGWLRPLLR
PLGLVLVLRAPRGGAQTPLYCALQEGIEPLSGRYFANCHVEEVPVPAARDRAAHRLWEASKRL
AGLWGPGEADPEDDPQSEDSEAPSSLSTPHPEEPTVVSQYPSPQSSPDLSKMTMRIQAKVEP
BIOLS

Signal peptide:

Glycosaminoglycan attachment site.

amino acids 46-49

Short-chain alcohol dehydrogenase family

amino acids 37-49 and 114-124

FIGURE 76

GGAGGAGACAGCCTCCTGGGGGGCAGGGGTTCCCTGCCTCTGCTGCTCCTGCTCATC**ATG**GGAGGCATGGCTCAG
 GACTCCCCCCCCAGATCCTTAGTTCACCCCCCAGGACAGCTGTTCAGGGGCCCTGGCCCTGCCAGGATGAGCTGC
 CAGCCTCTCAGGCGCAGCCACTCCACCCATCCGCTGGTTGCTGAATGGGCAGCCCTTGAGCATGGTGCCTCCAGAC
 CCACACACCTCTCTGCTGATGGGACCTCTCTGCTGCTACAGCCCCCTGCCCGGGGACATGCCACGATGGGCGAG
 GCCCTGTCCACAGACCTCTGGGTGTCTACACATGTGAGGGCCAGCAACCGCTTGGGCAGCGCAGTTCAGCAGAGGGCTG
 CGGCTGTCTGTGGCTGTCTCTCGGGAGGATTTCCAGATCAGCCCTCGGGAATGATGGCTGTGTGGGTGAGCAGT
 TTACTCTGGAATGTGGGCGCCCTGGGGCCACCCAGAGCCCCACAGTCTCATGGTGGAAAGATGGGAAACCCCTG
 GCCCTCAGCCCCGGAAGGCACACAGTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAGAGTACAGAAAGG
 ACCTACATGTGTGTGGCCACCAACAGCGCAGGACATAGGGAGAGCCGCGCAGCCGGGTTCCTCATCCAGGACCCC
 CAGGACTACACGGAGCCTGTGGAGCTCTGGCTGTGCGAATTCAGCTGGAAAGTGTGACACTGCTGAAACCCGAGT
 CCTCAGAGGGGCCCAAGCCTAGACCGCGGTGTGGCTCAGCTGGAGGTCACTGGCCCTGCTGGCTGACCCCAA
 TCTTACACGGCCTGTTCAGGACCCAGACTGCCCGGGAGGCCAGGAGCTCCGTGGGCAGAGGAGCTGCTGGCC
 GGCTGGCAGAGCGCAGAGCTTGGAGGCCCTCAGCTGGGGCCAGACTACGAGTTCAAAGTGAGACCATCTCTGGC
 CGGGCTCAGAGGCCCTGACAGCAACGCTGCTCTCTGAGGCTGCGGGAAGAGTGGCCAGTGCCCACTCCAGCTCAGGAA
 GTGACTCTAAAGCCTGGCAATGGCACTGTCTTTGTGAGCTGGGTCCACCACTGCTGAAACCAACAATGGCATT
 ATCCGTGGCTACAGGTCTGGAGCCTGGGCAACATCATCTGCCACCAAGCCAACTGGACTGTAGTTGGTGAGCAG
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 GGGGAGCCAGTAGACTCTGTCTGCTCCTTTAGAGCAGGCCATGGAGCGAGCCACCAAGAACCAGTGGAGCAT
 GGCTCCTGTGACCTCTGGAGCAGCTGAGGGCTACTTGAAGCGGCTGAGGTCAITGGCACTCTGGGTGTGCTCACTC
 TGGCTGCTGCTTTCTGGGACCCGCCCTGTGTATCCACCGCGCGCGCCAGCTGAGCTGAGCTGGGGCCAGCTGCTG
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 GAGCCACTAGACTGTGCTGCTCTGCTCTCTGCTGAGACTCCGAGAGCCCGGGCTGGCCCTGCTTCCAGACACC
 AGCACTTTTATGCTCCTTCATGCTGAGCTGAGCTGCCCTCAGTACCCCAAGCCAGGCCAAGTCCCCAGGTTCCAGCT
 GTCAGGCGCTCCACCCAGCAGCTGGCCAGCTCTCCAGCCCTGTTCAGCTCAGACAGCCTCTGAGAGCCCGAGG
 GGACTCTCTTCTCCCGCTGTCTCTGGCCCTGAGAGGCTTGGAGAGCCAAAAGAGCAGGAGCTGCAGCAT
 GCAACAGTCTCCCACTGCTCCGGGCGAGCACTCTTGGAGCTCCGGGCTGTGAGTTAGGAAATAGAGGTTCC
 AAGAACCTTTCCCAAAGCCTCAGAGGCTGTGCCCCAGCTCTGGTGGCTGGGGCGGCTGGGAGCCGAACTCCTC
 AGCTCCTTCAAATGAGCTGGTACTCTGTCATCTCCCTCCAGCACCCCTCTTCTCATGAAACTCCCCCACTCAG
 AGTCAACAGACCCAGCTCCGGTGGCACCACAGGCTCCCTCTCATCTGCTGCCACAGCCGCCATCCCCATC
 CTTAGCCCCCTCAGTCCCCCTAGCCCCAGGCTCTTCCCTCTCTGGCCCCAGCCAGCTTCCAGTCCGCTGTCC
 AGCTCTCTCACTGTCTCCCTGGGGAGGATCAAGACAGCGTGTGACCCCTGAGGAGGTAGCCCTGTGCTTGGAA
 CTCAGTGAGGCTGAGGAGACTCCAGGAACACGCTTCTCTCCATGCCAAGGGCTCCTTCACCCCCACCACCTAT
 GGGTACATCAGCGTCCCAACAGCCTCAGAGTTTACGGACATGGGCAGGACTGGAGGAGGGGTGGGGCCAGAGGG
 GGAGTCTTGTGTGCCCACTCTCGGCCCTGCTTACCCCCACCCAGCAGGGGCTCCTTAGCCAAATGGTGGGGC
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 GCTCACTTTGCCCGGGCCCTGGCAGTGGCTGTGGATAGCTTTGGTTTCGCTTAGAGGCCAGGAGGCGAGACTGC
 GTTCTCATAGATGCCATCACTCACTCCCTCCCAAGGGATGAGATCTTCCCTGACCCCACTCTCTCTGCCCCCT
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 GTAGATTACTCT**GA**ACCGTGTCTCTGAGACTTCCAGACGGGAATCAGAACACTCTCTCTGTCCACCCCAAG
 ACCCTGGGCTGTGGTGTGGGGTCTTGGCGCTGTGTTTCTCTGAGCTGGGGTCCACCTTCCCAAGCCTCCAGAGAG
 TTCTCCTCTCAGCAATGTGTGAAACAAATGAAACAAATATAGAGCAAGCTGACTTGGAGCCCTCAGGGAGCAA
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 CTGAGGAGCAGCCCTGCTGTGCTCTTCCCCACCATTTGGATCAGAGGAAGTGGAGAGGACGAGGATGGCTTT
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 AGGCACTGAGGCCCTACTCTATGCCAAACAAAGGGTTCAAGGCTGTAGCAGAGTCTGAAGGAGAGGAGG
 TATGAGACCGTAGGTCAAAGACCACTCTCTGACTGTGTGCTACTATGAGCTTAGAGAAATTTGATACCAATAAT
 GGTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATA

00078295.10150.1

FIGURE 77

</usr/seqdb2/sst/DNA/Dnaseqs.min/ss.DNA41404

<subunit 1 of 1, 985 aa, 1 stop

<MW: 105336, pI: 6.55, NX(S/T): 7

MGGMAQDSPPQILVHPQDQLFQGGPGPARMSCQASGQPPPTIRWLLNGQPLSMVPPDPHLLP
DGTLLLLQPPARGHAHDGQALSTD LGVYTCEASNRLGTAVSRGARLSVAVLREDFQIQPRDM
VAVVGEQFTLECGPPWGHPEPTVSWWKDGKPLALQPGRHTVSGGSLLMARA EKSD EGYMCV
ATNSAGHRESRAARVSIQEPQDYTEPVELLAVRIQLENVTLLNPDPAEGPKPRPAVWLSWKV
SGPAAPAQSYTALFRTQTAPGGQGAPWAEELLAGWQSAELGGLHWGQDYEFKVRPSSSGRARG
PDSNVLLRLPEKVPSPAPPQEVTLKPGNGTVFVSWVPPPAENHNGIIRGYQVWSLGNTSLPP
ANWTVVGEQTQLEIATHMPGSYCVQAAVTGAGAGEPSRPVCLLLEQAMERATQEPSEHGPW
TLBQLRATLKRPEVIATCGVALWLLLLGSTAVCIHRRRRARVHLGPGLYRTS EDA I L KHRMD
HSDSQWLADTWRSTSGSRDLSSSSSLSSRLGADARDPLDCRRSLLSWDSRSPGVFLPDTST
FYGSLIAELPSSPTPARSPQVPAVRRLPPQLAQLSSPCSSSDSLCSRRGLSPRLSLAPAEA
WKAKKKQELQHANS SP L LRGSHSLELRACELGNRGSKNLSQSPGAVPQALVAWRALGPKLLS
SSNELVTRHLPAPLFPFHPETPTQSQQTQPPVAPQAPSSILLPAAPILSPCSPPSPQASS
LSGSPASSRLSSSSSLSSLGEDQDSVLTPEEVALCLELSEGEETPRNSVSPMPRAPSPPTTY
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SLVSSSDGSFLADAHFARALAVVDSFGFGLPREADCVFIDASSPPSPRDEIFLTPNLSLP
LWEWRPDWLEDMEVSHTQRLGRGMPFPWPPDSQISSQRSQLHCRMPKAGASPDVYS

Important features:

Transmembrane domain:

amino acids 448-467

N-glycosylation sites:

amino acids 224-227, 338-341, 367-370, 374-377, 658-661 and 926-929

N-myristoylation sites.

amino acids 47-52, 80-85, 88-93, 99-104, 105-110, 181-186, 272-277, 290-295, 355-360, 403-408, 462-467, 561-566, 652-657, 849-854 and 876-881

Phosphotyrosine interaction domain proteins

amino acids 740-753

009723235-104501